

# [N-(2,6-dimethylphenyl)-5,6-dihydro-4h-1,3-thiazin-2-amine hydrochloride (1:1) c12...](https://assignbuster.com/n-26-dimethylphenyl-56-dihydro-4h-13-thiazin-2-amine-hydrochloride-11-c12h17cln2s-structure/)

Contents

* Bio Activity:

|  |  |
| --- | --- |
| Molecular Formula  | C 12 H 17 ClN 2 S  |
| Average mass  | 256. 795 Da  |
| Density  |  |
| Boiling Point  |  |
| Flash Point  |  |
| Molar Refractivity  |  |
| Polarizability  |  |
| Surface Tension  |  |
| Molar Volume  |  |

* Experimental data
* Predicted – ACD/Labs
* Predicted – ChemAxon
* Experimental Physico-chemical Properties

## Experimental Melting Point:

|  |
| --- |
| 150-164 °C (Decomposes)LabNetworkLN00195932  |

## Experimental Solubility:

|  |
| --- |
| DMSO 20 mg/ml; Water <0. 1 mg/mlMedChem ExpressHY-B0443A  |
| DMSO 50 mg/mL; Water 12 mg/mLMedChem Expresshttp://www. medchemexpress. com/maprotiline-hydrochloride. html, HY-B0443A  |

* Miscellaneous

## Safety:

|  |
| --- |
| IRRITANTMatrix Scientific094642  |

## Target Organs:

|  |
| --- |
| Adrenergic Receptor agonistTargetMolT1500  |

## Chemical Class:

|  |
| --- |
| AdrenoceptorEU-OpenScreen[X 1251]  |

## Bio Activity:

|  |
| --- |
| ??-adrenergic receptorTargetMolT1500  |
| Adrenergic ReceptorMedChem ExpressHY-B0443A  |
| GPCR/G proteinMedChem ExpressHY-B0443A  |
| GPCR/G ProteinTargetMolT1500  |
| GPCR/G protein; MedChem ExpressHY-B0443A  |
| Xylazine Hydrochloride is ? 2 class of adrenergic receptor agonist.; Target: Adrenergic Receptor; Xylazine is a drug that is used for sedation, anesthesia, muscle relaxation, and analgesia in animals such as horses, cattle and other non-human mammals. MedChem ExpressHY-B0443A  |

Predicted data is generated using the ACD/Labs Percepta Platform – PhysChem Module

No predicted properties have been calculated for this compound.

|  |  |
| --- | --- |
| Density:  |  |
| Boiling Point:  |  |
| Vapour Pressure:  |  |
| Enthalpy of Vaporization:  |  |
| Flash Point:  |  |
| Index of Refraction:  |  |
| Molar Refractivity:  |  |
| #H bond acceptors:  |  |
| #H bond donors:  |  |
| #Freely Rotating Bonds:  |  |
| #Rule of 5 Violations:  |  |

|  |  |
| --- | --- |
| ACD/LogP:  |  |
| ACD/LogD (pH 5. 5):  |  |
| ACD/BCF (pH 5. 5):  |  |
| ACD/KOC (pH 5. 5):  |  |
| ACD/LogD (pH 7. 4):  |  |
| ACD/BCF (pH 7. 4):  |  |
| ACD/KOC (pH 7. 4):  |  |
| Polar Surface Area:  |  |
| Polarizability:  |  |
| Surface Tension:  |  |
| Molar Volume:  |  |

Click to predict properties on the Chemicalize site